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| **DETAIL DESIGN DOCUMENT** |
| DD\_IncomeManagement |
| Version 1.0, issued date 3/31/2012 |
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Contents

[1. File list 3](#_Toc324334944)

[2. Function list 3](#_Toc324334946)

[3. Detail Design 5](#_Toc324334947)

[3.1. Client Class Diagram 5](#_Toc324334948)

[3.2. Business Class Diagram 5](#_Toc324334950)

[3.3. Entity Diagram 6](#_Toc324334952)

[3.4. Sequence Diagram 7](#_Toc324334954)

[3.4.1. List Artical Management Diagram 7](#_Toc324334955)

[3.4.2. Edit Artical Management Diagram 8](#_Toc324334956)

1. **File list**

[*Reference to Incomemanagement in File List*](../../HRM_File%20List.xlsx)

1. **Function list**

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| ***ListIncomeManagementView*** |  |
| **Function** | **Description** |
| OnCellDoubleClick() | Show GUI choosen by user |

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| ***EditIncomeManagementView*** |  |
| **Function** | **Description** |
| View\_CloseWindow() | Close GUI choosen by user |

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| ***ListIncomeManagementViewModel*** |  |
| **Function** | **Description** |
| GetListIncomeManagementComplete(int employeeKey) | Get list of available data of Incomemanagement to List View |
| GetIncomeManagementtByKeyComplete (int id, string keyName) | Check incomeManakey inserted with available incomeManakey in database. |
| DeleteIncomeManagementComplete(Int IncomeManaKey) | Delete list data of Incomemanagement from database |
| Reload() | Get available data of Incomemanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***EditIncomeManagementViewModel*** |  |
| **Function** | **Description** |
| SaveIncomeManagementComplete(Int IncomeManaKey) | Store data of incomeManagement to database |
| GetIncomeManagementComplete(int id) | Get list of available data of Incomemanagement to Edit View |
| GetIncomeManagementByKeyComplete(int id, string keyName) | Check incomeManakey inserted with available incomeManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of Incomemanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListIncomeManagementAsync(int employeeKey) | Get list of available data of Incomemanagement from database to ViewlModel |
| GetIncomeManagementAsync(int id) | Get data of incomemanagement from database. |
| SaveIncomeManagementAsync(Int IncomeManaKey) | Insert data of incomemanagement to database. |
| DeleteIncomeManagementAsync(Int IncomeManaKey) | Remove data of incomemanagement to database. |

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| ***HRMService*** |  |
| **Function** | **Description** |
| GetHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Select transaction. |
| InsertHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Insert transaction. |
| UpdateHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Update transaction. |
| DeleteHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Delete transaction. |

1. **Detail Design**
   1. Client Class Diagram



* 1. Business Class Diagram



* 1. Entity Diagram

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| --- | --- |
| C:\Users\DangNguyen\Desktop\HRM Image\HRM_employee.jpg | C:\Users\DangNguyen\Desktop\HRM Image\HRM_income.jpg |

* 1. Sequence Diagram
     1. List Income Management Diagram



* + 1. Edit Income Management Diagram

